

ExxonMobil
Refining & Supply Company
Global Remediation
3700 W. 190th Street, TPT #2-7
Torrance, California 90504
(310) 212-3727 Office
(310) 212-1890 Facsimile
maria.d.guensler@exxonmobil.com

Maria D. Guensler
Global Remediation
Project Manager

ExxonMobil
Refining & Supply

April 14, 2005

Mr. Noman Chowdhury
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Groundwater Monitoring Well Installation Report
Former Mobil Station 18MLJ
5005 North Long Beach Boulevard
Long Beach, California
CRWQCB File No. 908050452A

Mr. Chowdhury:

Enclosed for your review is a copy of the report for the installation of one on-site groundwater monitoring well at the above-referenced site. On March 16, 2005, ExxonMobil Oil Corporation's (ExxonMobil's) consultant, Environmental Resolutions, Inc. (ERI), directed the drilling and sampling of one additional on-site soil boring, which was completed as a groundwater monitoring well. This work was performed to assess the lateral extent of fuel constituents in soil and groundwater beneath the site. This report presents the results from soil and groundwater sampling, and summarizes the field procedures associated with the well installation activities. ERI prepared this report.

Please call the undersigned at (310) 212-3727 for any questions regarding the content of the report.

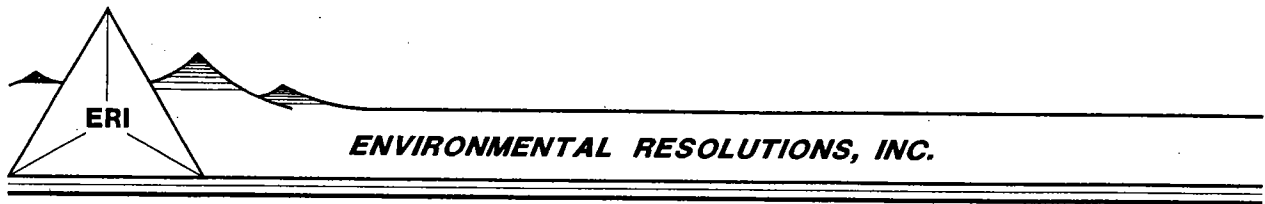
Sincerely,



Maria D. Guensler
Project Manager

Attachment: Groundwater Monitoring Well Installation Report, Former Mobil Station 18MLJ, 5005 North Long Beach Boulevard, Long Beach, California, prepared by ERI.

- C: w/ attachment:
Ms. Carmen Piro, Long Beach City Department of Health and Human Sciences
- C: w/o attachment:
Mr. George E. Salley, ERI



April 14, 2005

Ms. Marla D. Guensler
ExxonMobil Oil Corporation
3700 West 190th Street, TPT #2-7
Torrance, California 90504

Subject: Groundwater Monitoring Well Installation Report
Mobil Station 18MLJ
5005 North Long Beach Boulevard
Long Beach, California
CRWQCB File No. 908050452A

Ms. Guensler:

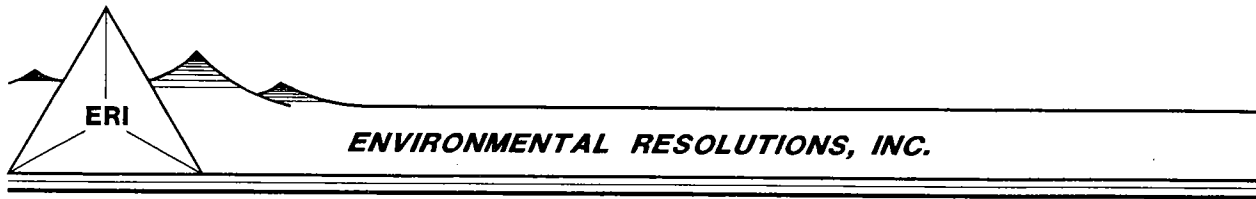
Enclosed is the report for the installation of one groundwater monitoring well at the above-referenced site. On March 16, 2005, Environmental Resolutions, Inc. (ERI) directed the drilling and sampling of one on-site soil boring. The soil boring was completed as a groundwater monitoring well to assess the lateral extent of fuel constituents in soil and groundwater beneath the site. This report summarizes the field procedures for the well installation activities and presents the results from soil and groundwater sampling.

For any questions regarding the content of this report, please call the undersigned at (949) 457-8954.

Sincerely,
Environmental Resolutions, Inc.

George E. Salley
Senior Project Geologist
P.G. 6308

Enc: ERI 316303.R03
Transmittal Letter



April 14, 2005

Ms. Marla D. Guensler
ExxonMobil Oil Corporation
3700 West 190th Street, TPT #2-7
Torrance, California 90504

Subject: Groundwater Monitoring Well Installation Report

Mobil Station 18MLJ
5005 North Long Beach Boulevard
Long Beach, California
CRWQCB File No. 908050452A

Ms. Guensler:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has prepared this report documenting the results of the installation of one on-site groundwater monitoring well on March 16, 2005 at the above-referenced site (Site Location Map, Plate 1). In a work plan submitted to the California Regional Water Quality Control Board – Los Angeles Region (CRWQCB) dated August 6, 2004, ExxonMobil proposed the installation of three off-site groundwater monitoring wells. In a letter dated November 30, 2004, the CRWQCB approved the work plan for off-site groundwater monitoring wells and required the installation of one additional on-site groundwater monitoring well. The purpose of this additional well is to further define the extent of the fuel constituents in the northeastern portion of the site. A copy of the CRWQCB letter is included in Appendix A.

This report contains the following sections:

- **Site Description** – Provides a brief description of the site and the surrounding area.
- **Field Activities** – Describes site-specific conditions and activities.
- **Laboratory Analyses** – Outlines laboratory information and methods used to analyze the soil samples collected during this investigation.
- **Analytical Results** – Discusses the soil analytical results from this investigation.

- **Recommendations** – Presents recommendations to ensure the regulatory case associated with this site remains on a pathway for case closure with the CRWQCB.
- **Limitations** – Describes report preparation and data limitations.

SITE DESCRIPTION

The subject site is an active Mobil service station which sells Mobil-brand gasoline, located at the northwestern corner of North Long Beach Boulevard and Del Amo Boulevard in Long Beach, California (Plate 1). The site facilities consist of a service station building containing a Mobil Mart food store. The fueling system consists of three unleaded-gasoline underground storage tanks (USTs), one diesel UST, seven fuel dispensers (six gasoline and one diesel), and the associated product piping. The site facilities are depicted on the Generalized Site Plan (Plate 2). The area surrounding the site consists of commercial businesses, apartments and residential housing. A Chevron service station is located south of the site across Del Amo Boulevard. A Shell service station is located on the southeastern corner of the intersection. A 7-Eleven food store and a McDonald's restaurant are located on the northeastern corner of the intersection.

FIELD ACTIVITIES

All field activities were conducted under the direct supervision of a State of California professional geologist and in accordance with ERI's site-specific health and safety plan, which was available at the job site during field activities. Field activities were also conducted in accordance with ERI's standard field protocol for groundwater monitoring well installation. A copy of the field protocol is included in Appendix B. The following sections describe the field activities undertaken during this investigation.

Preliminary Activities

Prior to the onset of drilling activities at the site, ERI obtained a well construction permit from the Long Beach Department of Health and Human Services. A copy of the permit is included in Appendix C. The CRWQCB was notified at least one week prior to the start of work. ERI contacted Underground Services Alert at least 48 hours prior to the start of work to mark buried utilities. Prior to drilling, GEOVision Geophysical Services of Corona, California, located and marked subsurface utilities near the boring locations using geophysical methods. The boring locations were also cleared for buried utilities in accordance with ExxonMobil's borehole clearance procedures using air excavation tools provided by Milestone Exploration, Inc. of Tustin, California.

Drilling Procedures and Well Installation

On March 16, 2005, an ERI field geologist directed the drilling and sampling of soil boring B7 which was completed as groundwater monitoring well MW7. The location of the well is shown on Plate 2. ERI's subcontractor, J&H Drilling, Inc. (J&H) of Anaheim, California, performed the drilling and well installation using a BK-55 drilling rig equipped with 10-inch diameter, continuous flight, hollow-stem augers. The well was

constructed using 4-inch inside diameter, schedule 40 polyvinyl chloride casing with a 0.020-inch slotted screen interval. The soil boring was drilled to a total depth of approximately 51.5 feet bgs, and was completed as a groundwater monitoring well with a 30-foot screened interval. Groundwater was first encountered during drilling at approximately 29.5 feet bgs. The well construction details are shown on the soil boring log included in Appendix D.

Soil Sampling

Soil samples were collected at 5-foot intervals starting at 10 feet bgs and continuing to the total depth of the boring. Each soil sample collected for laboratory analysis was preserved in the field in accordance with EPA Method 5035 protocol, properly labeled, entered onto a chain-of-custody record and placed in chilled storage for transport to an ExxonMobil-approved, state-certified laboratory.

Groundwater Monitoring Well Development, Sampling and Surveying

On March 17, 2005, J&H conducted well development activities for well MW7. On March 21, 2005, ERI collected groundwater samples from all wells, including the newly installed on-site well, in accordance with the quarterly groundwater monitoring and sampling program. Results of the groundwater monitoring well gauging are included in the quarterly report for first quarter 2005. Copies of the well development records are included in Appendix E.

On March 17, 2005, the newly installed well was surveyed by licensed land surveyor Calvada, Inc. of Corona, California, relative to an established benchmark of known elevation above mean sea level and in accordance with GeoTracker requirements. The well survey data is included in Appendix F.

Soil and Water Disposal

The drill cuttings, decontamination water generated during drilling activities, and purge water from well development were temporarily stored on site in Department of Transportation-approved, sealed 55-gallon drums. The drums of soil cuttings were subsequently transported to TPS Technologies' approved facility in Adelanto, California, and the drums of water were transported to Crosby & Overton's approved facility in Long Beach, California, for recycling. Copies of the non-hazardous waste manifests for soil and water recycling are included in Appendix G. Purge water generated during quarterly groundwater monitoring and sampling was bulked at ERI's ExxonMobil-approved transfer facility in Lake Forest, California, and later transported to Crosby & Overton. A non-hazardous waste manifest for this purge water will be submitted with the quarterly status report.

LABORATORY ANALYSES

The soil samples were submitted for chemical analysis to TestAmerica, Inc. of Nashville, Tennessee, an ExxonMobil-approved, state-certified analytical laboratory. Soil samples were analyzed for total petroleum hydrocarbons as gasoline and total petroleum hydrocarbons as diesel by EPA Method 8015B; and for benzene, toluene, ethylbenzene, total xylenes and fuel oxygenates by EPA Method 8260B. Fuel oxygenates analyzed included methyl tertiary butyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether and tertiary butyl alcohol. Soil samples were also analyzed for the fuel oxygenate di-isopropyl ether by EPA Method 8260/SA05-77.

ANALYTICAL RESULTS

Soil analytical results are shown on the Soil Sample Analyses Map – 03/16/05 (Plate 3), and are summarized in Table 1. The laboratory reports and chain-of-custody records are included in Appendix H. Initial groundwater analytical results from newly installed well MW7 will be included in the quarterly report for first quarter 2005.

RECOMMENDATIONS

ERI recommends that new on-site wells MW7 be added to the existing quarterly groundwater monitoring and sampling program. The results from monitoring and sampling will be reported by the fifteenth day following the end of each quarter.

LIMITATIONS

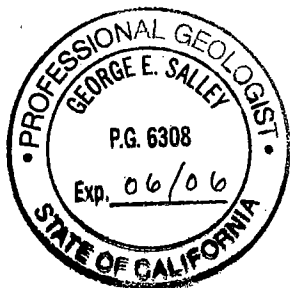
For any reports cited that were not generated by ERI, the data taken from those reports is used “as is” and is assumed to be accurate. ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these reports.

This report was prepared in accordance with generally accepted standards of environmental, geological and engineering practices in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

April 14, 2005

For any questions concerning the content of this report, please contact Mr. George E. Salley at (949) 457-8954.

Sincerely,
Environmental Resolutions, Inc.



MAJD For
Kyle L. Gadley
Senior Staff Geologist

George E. Salley
George E. Salley
Senior Project Geologist
P.G. 6308

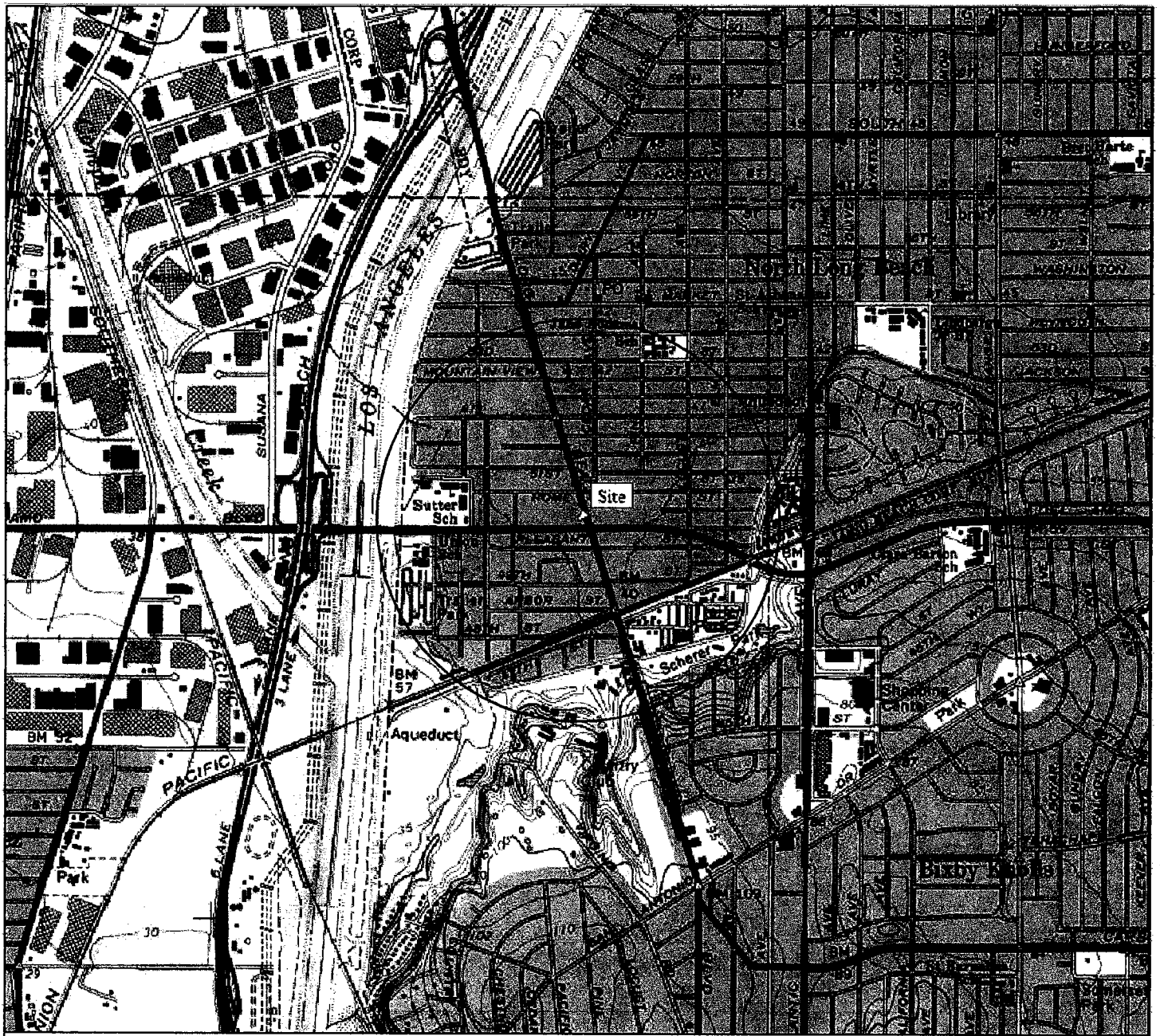
Enclosures:

Plate 1	Site Location Map
Plate 2	Generalized Site Plan
Plate 3	Soil Sample Analyses Map – 03/16/05
Table 1	Soil Analytical Results
Appendix A	Correspondence
Appendix B	ERI Field Protocol
Appendix C	Well Construction Permit
Appendix D	Boring Log
Appendix E	Well Development Records
Appendix F	Well Survey Data
Appendix G	Non-Hazardous Waste Manifests
Appendix H	Laboratory Reports and Chain-of-Custody Records

REFERENCES

Environmental Resolutions, Inc., June 9, 2003, Letter Report for the Installation of Three Groundwater Monitoring Wells at Mobil Station 18-MLJ, 5005 North Long Beach Boulevard, Long Beach, California.

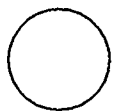
United States Geological Survey, 1964 (photorevised 1981), Long Beach, California, Quadrangle 7.5 Minute Series Topographic Map.



Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

FN 3163TOP0

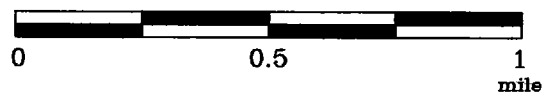
EXPLANATION



1/2-mile radius circle



APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
National Geographic's TOPO!



SITE LOCATION MAP

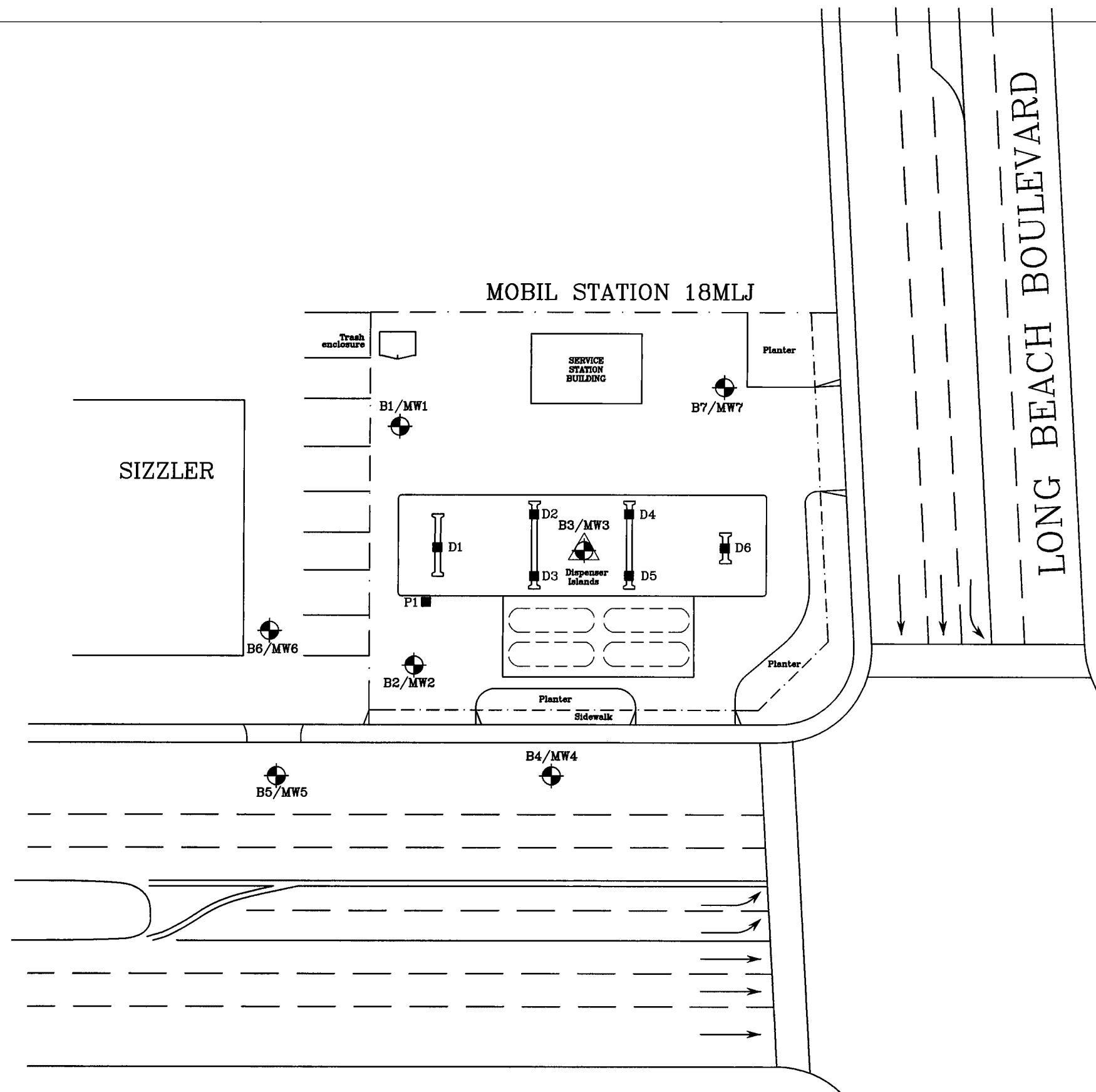
MOBIL STATION 18MLJ
5005 North Long Beach Boulevard
Long Beach, California

PROJECT NO.





3163

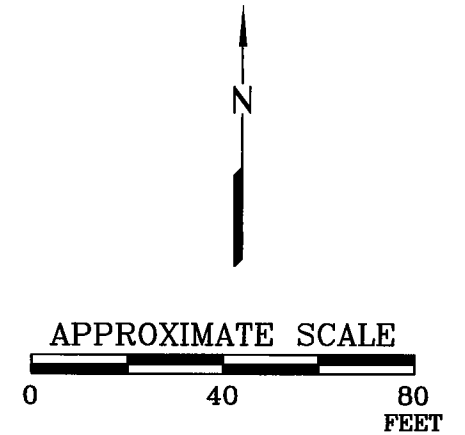
PLATE

1



EXPLANATION

-  B7/MW7 Groundwater monitoring well
-  B3/MW3 Groundwater monitoring/vadose zone well
-  D6 Soil sample location (FREY Environmental, 1991)
-  Underground storage tank



GENERALIZED SITE PLAN

MOBIL STATION 18MLJ
5005 North Long Beach Boulevard
Long Beach, California

FN 31630004



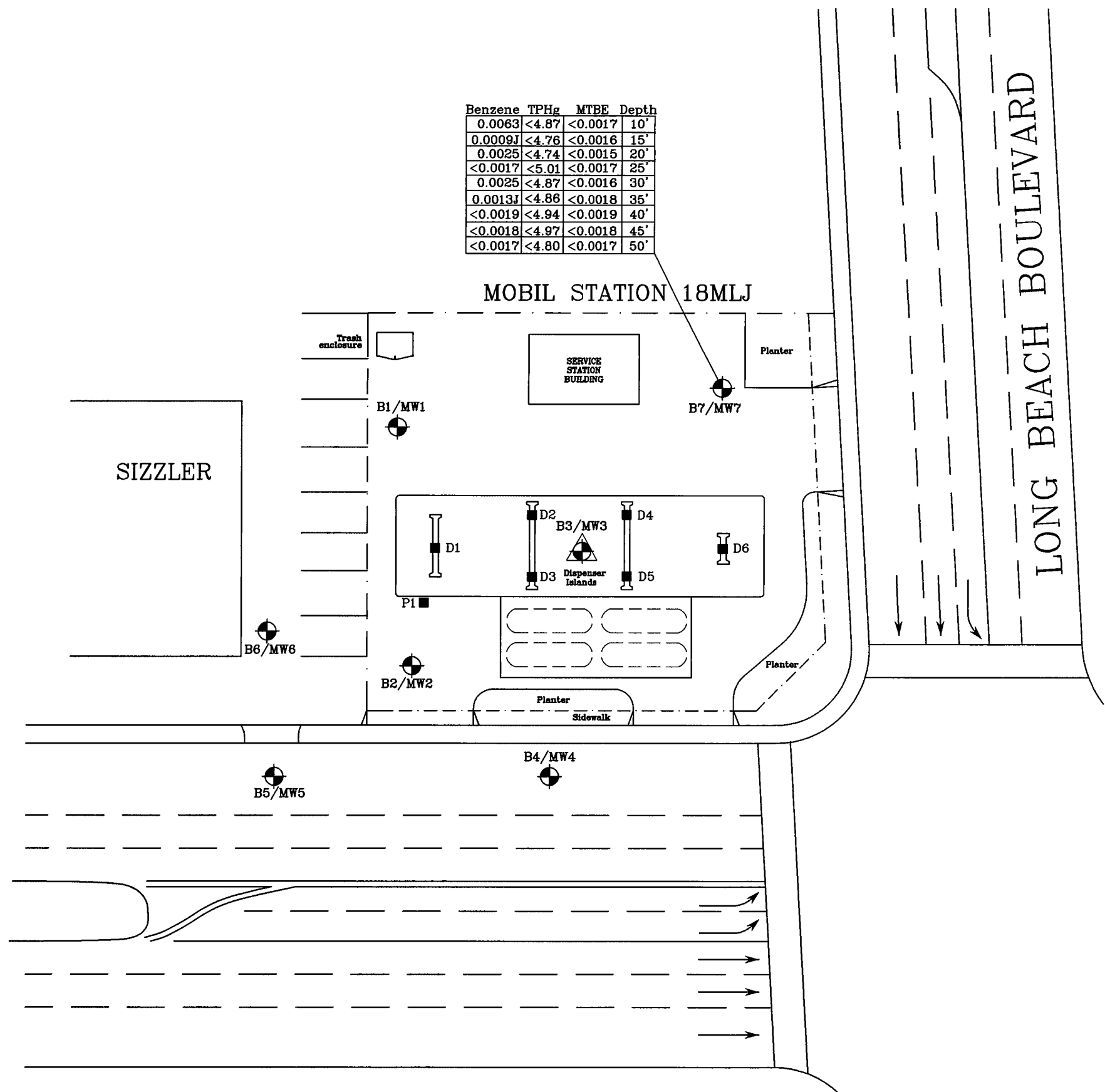
PROJECT NO.

3163

PLATE

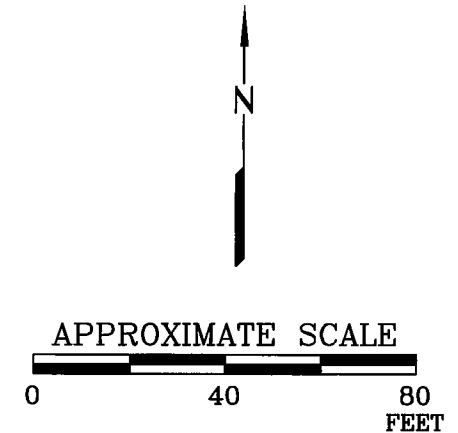
2

DATE: 04/11/05



EXPLANATION

- B7/MW7 Groundwater monitoring well
- B3/MW3 Groundwater monitoring/vadose zone well
- D6 Soil sample location (FREY Environmental, 1991)
- Underground storage tank
- TPHg Total petroleum hydrocarbons as gasoline
- MTBE Methyl tertiary butyl ether
- <5.01 Less than the stated laboratory reporting limit
- J Estimated value between method detection limit and practical quantification limit
- All sample results are listed in milligrams per kilogram
- Depth measured in feet below ground surface



SOIL SAMPLE ANALYSES MAP 03/16/05

MOBIL STATION 18MLJ
5005 North Long Beach Boulevard
Long Beach, California

FN 31630004



PROJECT NO.

3163

PLATE

3

DATE: 04/11/05

TABLE 1
SOIL ANALYTICAL RESULTS
MOBIL STATION 18MLJ
5005 NORTH LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA
ERI 3163

Sample Number	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPHg	TPHd	MTBE	TBA	DIPE	ETBE	TAME	Ethanol	Methanol
Samples collected by Environmental Resolutions, Inc. on March 16, 2005. Concentrations reported in mg/kg.														
S-10-B7	10	0.0063	0.0035	0.0026	0.0113	<4.87	67.7	<0.0017	<0.0427	<0.0017	<0.0017	<0.0017	<0.171	<5.00
S-15-B7	15	0.0009 J	<0.0016	<0.0016	<0.0016	<4.76	<1.00	<0.0016	<0.0394	<0.0016	<0.0016	<0.0016	<0.158	<5.00
S-20-B7	20	0.0025	0.0075	0.0097	0.0567	<4.74	<1.01	<0.0015	<0.0369	<0.0015	<0.0015	<0.0015	<0.147	<5.00
S-25-B7	25	<0.0017	<0.0017	<0.0017	<0.0017	<5.01	<1.00	<0.0017	<0.0427	<0.0017	<0.0017	<0.0017	<0.171	<5.00
S-30-B7	30	0.0025	<0.0016	0.0011 J	0.0049	<4.87	6.37	<0.0016	<0.0408	<0.0016	<0.0016	<0.0016	<0.163	<5.00
S-35-B7	35	0.0013 J	<0.0018	<0.0018	<0.0018	<4.86	<1.01 J	<0.0018	<0.0450	<0.0018	<0.0018	<0.0018	<0.180	<5.00
S-40-B7	40	<0.0019	<0.0019	<0.0019	<0.0019	<4.94	<1.01 J	<0.0019	<0.0465	<0.0019	<0.0019	<0.0019	<0.186	<5.00
S-45-B7	45	<0.0018	<0.0018	<0.0018	0.0012 J	<4.97	<1.01 J	<0.0018	<0.0456	<0.0018	<0.0018	<0.0018	<0.182	<5.00
S-50-B7	50	<0.0017	<0.0017	<0.0017	<0.0017	<4.80	<1.00 J	<0.0017	<0.0420	<0.0017	<0.0017	<0.0017	<0.168	<5.00

EXPLANATION:

mg/kg = milligrams per kilogram

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

MTBE = methyl tertiary butyl ether analyzed by Environmental Protection Agency Method 8260B

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

J = estimated value below report limit

<5.01 = not detected at or above the stated laboratory reporting limit

APPENDIX A

CORRESPONDENCE



California Regional Water Quality Control Board

Los Angeles Region

Terry Tamminen
Secretary for
Environmental
Protection

Over 54 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>



Arnold Schwarzenegger
Governor

Received by ER
on 2/25/05

November 30, 2004

Ms. Marla Guensler
ExxonMobil Refining & Supply
2532 North 4th Street, PMB 343
Flagstaff, AZ 86004

**UNDERGROUND TANK PROGRAM – SOIL AND GROUNDWATER INVESTIGATION
MOBIL STATION #18-MLJ
5005 NORTH LONG BEACH BOULEVARD, LONG BEACH (FILE NO. 908050452A)**

Dear Ms. Guensler:

Thank you for your submission of the "Quarterly Report for the Third Quarter 2004" dated October 15, 2004, and "Work Plan for the Installation of Three Groundwater Monitoring Wells" dated August 6, 2004, prepared by your consultant, the Environmental Resolutions (ERI), Inc. for the referenced site. In reference to the above documents, we have the following comments:

I. Additional Site Assessment

The recent groundwater monitoring report indicated that high concentration levels of petroleum hydrocarbon (up to 8,260 micrograms per liter of TPHg, 1,220 micrograms per liter of TPHd, 60.4 micrograms per liter of benzene), and methyl tert-butyl-ether (up to 920 micrograms per liter) were detected in the groundwater and groundwater flow direction is southwest. There is no groundwater monitoring well located downgradient from monitoring well MW2 and the groundwater plume has not been adequately defined. Therefore, the workplan proposes to install three additional groundwater monitoring wells at the off-site to further assess the down-gradient extent of the petroleum fuel hydrocarbon plume. We concur with your workplan, provided you meet the following conditions:

1. Since there is no groundwater monitoring well currently located up-gradient from monitoring well MW3 and the groundwater plume has not been adequately defined as a result, you are also required to install an additional monitoring well approximately 45 feet northeast of MW3. If data indicates that these wells are not adequate to fully define the dissolve hydrocarbons plume, you are required to install additional monitoring wells, during this phase of hydrogeologic assessment.
2. Soil samples shall be collected per EPA Method 5035 at a minimum of five-foot intervals and logged from on-site boring location.
3. The construction, development, and abandonment of groundwater monitoring wells must comply with requirements prescribed in the California Well Standards (Bulletin 74-90), published by the California Department of Water Resources (can be seen at www.dpla2.water.ca.gov and go to "groundwater").

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

4. **All** groundwater monitoring wells must be surveyed in to a benchmark of known elevation above mean sea level by a licensed land surveyor or registered civil engineer. Prior to collecting groundwater samples, free product thickness (if present) must be determined and the depth to water must be measured in all wells to be sampled. The wells are to be properly purged until the temperature, conductivity, and pH stabilize, and the water is free of suspended and settleable matter, before samples are collected for analysis. Any wells containing free product must be purged to remove any standing product, allowed to equilibrate to prepurged levels and free product thickness measured and removed.
5. Soil and groundwater samples must be analyzed by Cal-LUFT GC/FID or Cal-LUFT GC/MS Method for total petroleum hydrocarbons as gasoline (TPH_G), total petroleum hydrocarbons as diesel (TPH_D); and by EPA Method 8260B for BTEX, and fuel oxygenate compounds including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA). Ethanol is also required and shall be analyzed by either method above. The analytical detection limits must conform to the Regional Board General Laboratory Testing Requirements (6/00) (www.waterboards.ca.gov/losangeles/docs/lab_req_6-00.doc). All respective analytical methods must be certified by the California Environmental Laboratory Accreditation Program (ELAP). All analytical data must be reported by a California-certified laboratory.

II. General Requirements

1. All necessary permits must be obtained from the appropriate agencies prior to the start of work.
2. All reports must conform to the "Guidelines for Report Submittals" published by the Los Angeles County Department of Public Works.
3. All work must be performed by or under the direction of a registered geologist, certified engineering geologist, or registered civil engineer. A statement is required in the report that the registered professional in direct responsible charge actually supervised or personally conducted all the work associated with the project. All technical submittals must contain a wet ink signature and seal by one of the registered professionals.
4. Notify the regional Board at least seven days prior to commencing the field work so that our staff may be present.

You are required to submit a technical report detailing this phase of the investigation to this Regional Board by **April 15, 2005**. Failure to submit the required technical report by the due date, may result in an appropriate enforcement action by the Regional Board.


Ms. Marla D. Guensler
Mobil Station 18MLJ

- 3 -

November 30, 2004

If you have any questions concerning this matter, please call Mr. Noman Chowdhury at (213) 576-6704.

Sincerely,



Gregg Kwey, P.E.
Senior Water Resource Control Engineer

Cc: Ms. Yvonne Shanks, SWRCB, Underground Storage Tank Cleanup Fund
Ms. Nancy Mastumoto, Water Replenishment District of Southern California
Ms. Carmen Piro, Long Beach Department of Health and Human Services
Mr. George Salley, Environmental Resolutions, Inc.

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

APPENDIX B

ERI FIELD PROTOCOL

Environmental Resolutions, Inc.
Groundwater Monitoring Well Installation
Field Protocol

Preliminary Activities

Prior to the onset of drilling activities at the site, ERI obtains a well construction permit from the appropriate agency. Advance notification is made as required by the appropriate governing agency at least one week prior to the start of work. ERI contacts Underground Services Alert at least 48 hours prior to the start of work to mark buried utilities. Prior to drilling, the well borehole location is cleared in accordance with the client's procedures for utility clearance of boreholes. The fieldwork is conducted under the updated site-specific safety plan prepared for this project, which is available at the job site during field activities.

Soil Sampling Procedures

The borehole is advanced with a hollow-stem auger. ERI collects discrete soil samples from the borehole at the capillary fringe and at 5-foot intervals using a California split-spoon sampler containing three 6-inch long brass sleeves. The borehole is advanced to just above the desired sampling depth. The sampler is then placed inside the auger and driven through the center of the auger to a depth of 18 inches past the bit of the auger. The sampler is driven into the soil with a standard 140-pound hammer repeatedly dropped from a height of 30 inches onto the sampler. The number of blows required to drive the sampler each 6-inch increment is recorded on the boring log. The blow count information is recorded for use in evaluating the lithology at the site. The sampler is then retrieved from the borehole. The brass sleeves are removed from the sample barrel, and the lower-most sample sleeve is immediately sealed with Teflon™ tape, capped, and transported to a State of California-certified laboratory. The samples are transferred under proper chain-of-custody protocol. An ERI geologist describes the soil encountered during the assessment according to the Unified Soil Classification System and records the description on the boring log.

Field Screening Procedures

ERI performs a field evaluation for concentrations of volatile fuel constituents in the soil samples collected during the assessment. ERI places the contents of the middle brass sleeve into a plastic re-sealable bag. The bag is placed away from direct sunlight for approximately 20 minutes. After approximately 20 minutes, the tip of a Microtip photo-ionization detector (PID) calibrated to 50 parts per million hexane is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The PID measurements are recorded on the boring log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis.

Groundwater Monitoring Well Construction

The groundwater monitoring well is completed using schedule 40, polyvinyl chloride (PVC) casing. The well is constructed with slotted casing in its screened interval and completed with blank casing to within 6 inches of surface grade. The annular space of the well is backfilled with Monterey sand from the total depth to approximately 2 feet above the top of the screened casing. A hydrated granular bentonite seal is placed on top of the sand filter pack. The well is completed to surface grade with a 1-foot thick concrete pad. A traffic-rated well vault and locking cap for the well casing is installed on the well to protect against surface-water infiltration. Site-specific well construction details including casing diameter and slot size are shown on the respective well construction detail.

Well Development, Groundwater Sampling and Well Surveying

ERI personnel use a submersible pump to develop the newly installed well. Prior to development, the pump is decontaminated by allowing it to run and recirculate while immersed in a non-phosphate solution followed by successive immersions in potable water and de-ionized water baths. The well is purged until sufficient well casing volumes are removed so that pH, conductivity, and temperature levels stabilize in the purge water.

Following development, groundwater within the well is allowed to recharge to near its original static water level. After near equilibrium conditions are re-established, a new disposable bailer is slowly lowered past the air/water interface in the well and a water sample is collected and checked for the presence of liquid phase hydrocarbons, sheen, or emulsions. The water sample is then emptied into laboratory-supplied, 40-milliliter, glass volatile organic analysis (VOA) vials with hydrochloric acid added as a preservative. Each VOA vial is slowly filled with the retrieved water sample until no headspace remains, and then promptly sealed with a Teflon-lined cap, checked for the presence of bubbles, labeled, entered onto a chain-of-custody record, and placed in chilled storage. Laboratory-supplied trip blanks accompany the water samples as a quality assurance/quality control procedure. The samples are kept in chilled storage and transported under proper chain-of-custody protocol to a client-approved, state-certified laboratory for analysis.

The newly installed well is surveyed by a licensed land surveyor relative to an established benchmark of known elevation above mean sea level.

Decontamination Procedures

ERI decontaminates soil and water sampling equipment between each sampling event with a non-phosphate solution, followed by tap water and de-ionized water rinses. Downhole drilling equipment is steam-cleaned prior to drilling the borehole and at completion of the borehole.

Waste Treatment and Soil Disposal

Soil cuttings generated from the drilling of the borehole are stored on site in properly labeled, Department of Transportation-approved, 55-gallon drums. The soil is removed from the site and transported to a client-approved recycling facility for disposal. Decontamination fluids and purge water from well development and sampling activities are stored on site in 55-gallon drums and subsequently treated with a permitted mobile carbon treatment system. The system operates under a national pollution discharge elimination system permit.

APPENDIX C

WELL CONSTRUCTION PERMIT



CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

RECEIVED APR 12 2005

WELL PERMIT

Permit # 1089

Date: April 8, 2005

All work must be completed in accordance with Water Well Bulletin 74-81 and 74-90

Site Address: 5005 N. Long Beach Blvd, Long Beach, CA
Owner: Exxon Mobil Oil Corporation
Owner Address: 3700 W. 190th Street TPT #2-7, Torrance CA 90504
Consulting Firm: Environmental Restoration Inc.,
Consulting Firm Address: 20372 N Sea Circle, Lake Forest CA 92630
Drilling Company: J & H Drilling
Drilling Company Address: 1014 E. South Street, Anaheim CA 92805

Method of Construction/Destruction: see attached

Number of Wells/Borings: New Well Construction-Monitoring (1)

This permit valid for one year from date above

Steven Nakauchi, REHS IV
Cross-Connection/Water Program



CITY OF LONG BEACH

DEPARTMENT OF HEALTH & HUMAN SERVICES

2525 Grand Avenue Long Beach, CA 90815-1765 (562) 570-4134 FAX (562) 570-4038

1089

APPLICATION FOR WELL PERMIT

Date: 3-4-05

Type of Permit: (check) <input checked="" type="checkbox"/> New Well Construction <input type="checkbox"/> Destruction	Type of Well: (check) <input checked="" type="checkbox"/> Monitoring (1 well) <input type="checkbox"/> Cathodic <input type="checkbox"/> Private Domestic <input type="checkbox"/> Public Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Soil Boring <input type="checkbox"/> Vapor Extraction <input type="checkbox"/> Other
Well Owner Name: <u>Exxon Mobil Oil Corporation</u> Address: <u>3700 W. 190th St., TPT #2-7</u> City: <u>Torrance, CA 90504</u> Phone: <u>310-212-3727</u>	Site Address: <u>5005 N. Long Beach Blvd., Long Beach, CA</u> Site Map <input checked="" type="checkbox"/> Site plan attached
Consulting Firm: <u>Environmental Resolutions, Inc.</u> Address: <u>20372 N. Sea Circle</u> City: <u>Lake Forest, CA 92630</u> Phone: <u>949-457-8950</u>	
Drilling Company: <u>J & H Drilling</u> Address: <u>1014 E South St.</u> City: <u>Anaheim, CA 92805</u> Phone: <u>714-535-0392</u>	Construction/Destruction Method Type of casing, method of sealing, etc. (Use additional sheet or attachments) <u>See attached well Construction Diagram</u>
Proposed Start Date: <u>3-16-05</u>	To be done in accordance with Water Well Bulletin 74-81 & 74-90
I hereby agree to comply in every respect with all regulations of the Long Beach Department of Health and Human Services and with all ordinances and laws of the City of Long Beach and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the Long Beach Department of Health and Human Services with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by other City agencies.	Disposition of Application: (For Office Use Only) <input checked="" type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied Date: <u>4-8-05</u> If denied or approved with conditions, report reason or conditions here: <u>Stum M. Naburki</u> Approved By
Applicants Signature: <u>Russell Pace</u> Print Name: <u>Russell Pace</u>	

APPENDIX D

BORING LOG

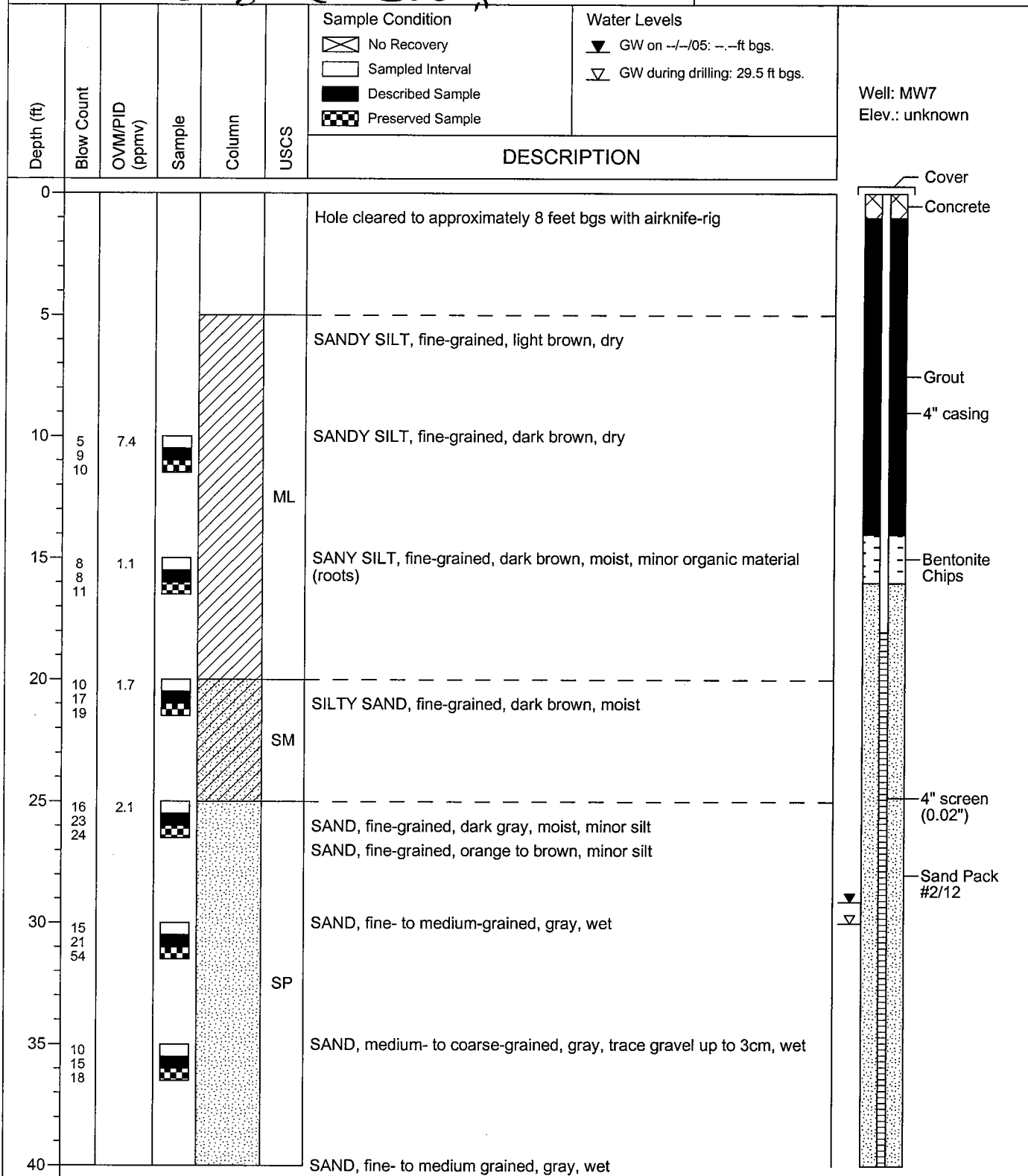


BORING LOG B7/MW7

(Page 1 of 2)

Date Drilled: : 3/16/04
 Drilling Co.: : J & H Drilling
 Drilling Method: : Hollow Stem Auger
 Sampling Method: : 1.5" by 18" split spoon
 Borehole Diameter: : 10"
 Casing Diameter: : 4" schedule 40 PVC
 Location N-S : 25' South of North PL
 Location E-W : 30' West of East PL
 Total Depth: : 51.5' bgs
 First GW Depth: : 29.5' bgs

Project No.: : 3163
 Site: : Mobil Station 18MLJ, 5005 North Long Beach Boulevard
 Logged By: : Kyle L. Gadley
 Reviewed By: : George E. Salley, R.G. 808
 Signature: *George E. Salley*



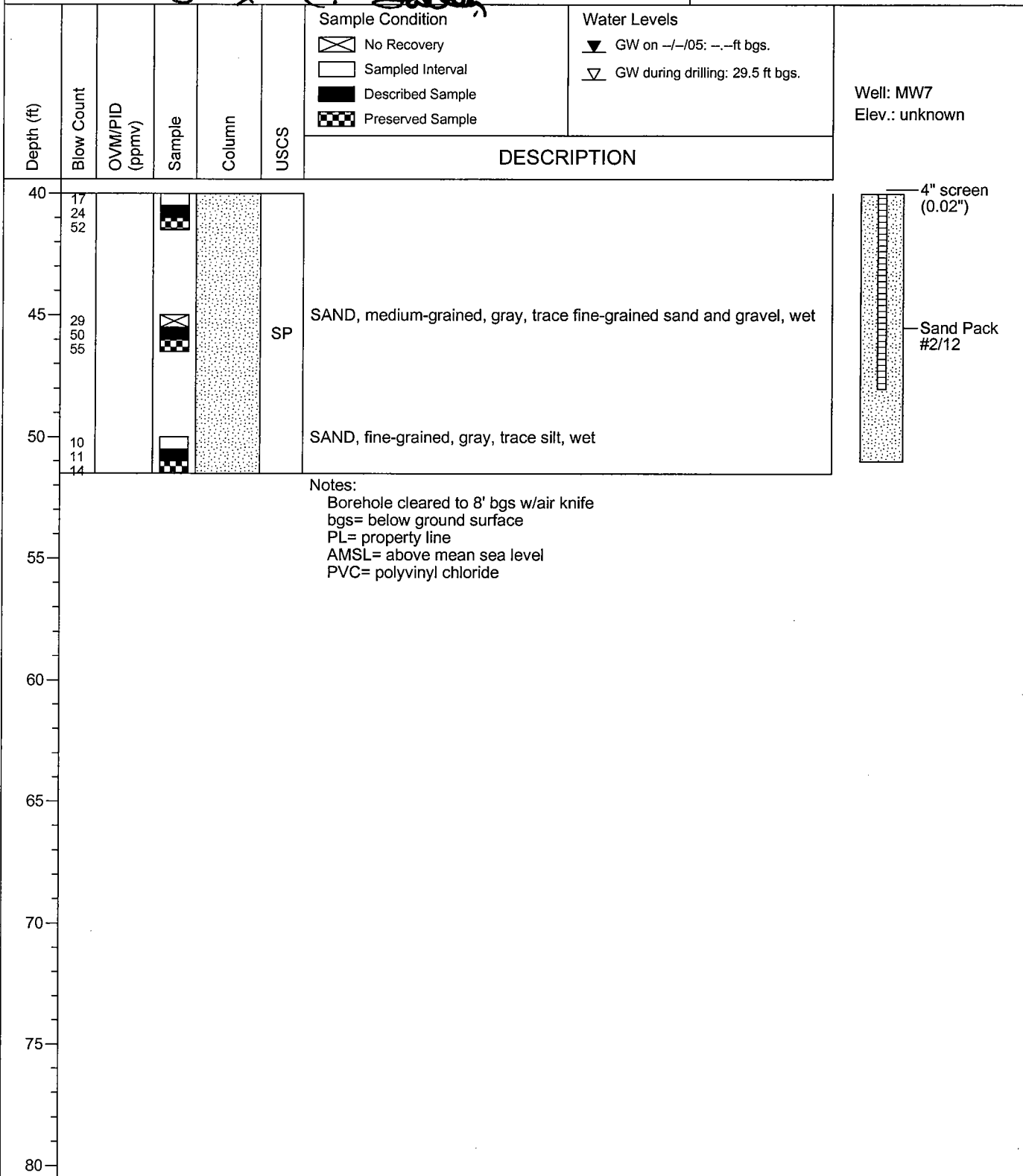


BORING LOG B7/MW7

(Page 2 of 2)

Date Drilled: : 3/16/04
 Drilling Co.: : J & H Drilling
 Drilling Method: : Hollow Stem Auger
 Sampling Method: : 1.5" by 18" split spoon
 Borehole Diameter: : 10"
 Casing Diameter: : 4" schedule 40 PVC
 Location N-S : 25' South of North PL
 Location E-W : 30' West of East PL
 Total Depth: : 51.5' bgs
 First GW Depth: : 29.5' bgs

Project No.: : 3163
 Site: : Mobil Station 18MLJ, 5005 North Long Beach Boulevard
 Logged By: : Kyle L. Gadley
 Reviewed By: : George E. Salley, R.G. 6308
 Signature: : *George E. Salley*



APPENDIX E

WELL DEVELOPMENT RECORDS

CLIENT NAME: ExxonMobil	ERI JOB #: 3163	0.163 FOR A 2" WELL
SITE LOCATION: Mobil Station mls		0.652 FOR A 4" WELL
FIELD CREW: K. Gadley	DATE: 3/17/05	1.167 FOR A 6" WELL

COMMENTS:
Depth to water After pumping = 29.15
Depth to well After pumping = 47.9

APPENDIX F

WELL SURVEY DATA

GLOBAL_ID	FIELD_PT_NAME	STATUS	GW_MEAS_DATE	DTFPROD	DTW	RISER_HT	TOT_DEPTH	GW_MEAS_DESC
	MW-4	ACT				-0.30		
	MW-5	ACT				-0.41		
	MW-6	ACT				-0.43		
	MW-7	ACT				-0.30		

GLOBAL ID	FIELD PT NAME	FIELD PT CLASS	XY SURVEY DATE	LATITUDE	LONGITUDE	XY METHOD	XY DATUM	XY ACC VAL	XY SURVEY ORG	GPS EQUIP TYPE	XY SURVEY DESC
	MW-4	MW	11/05/2004	33.8468292	-118.1943703	CGPS	NAD83	30	CAL VADA SURVEYING, INC.	L530	NGS POINT DY 0777
	MW-5	MW	11/05/2004	33.8468256	-118.1946703	CGPS	NAD83	30	CAL VADA SURVEYING, INC.	L530	NGS POINT DY 0777
	MW-6	MW	11/05/2004	33.8469350	-118.1946978	CGPS	NAD83	30	CAL VADA SURVEYING, INC.	L530	NGS POINT DY 0777
	MW-7	MW	03/17/2005	33.8471747	-118.1942397	CGPS	NAD83	30	CAL VADA SURVEYING, INC.	L530	NGS POINT DY 0777

GLOBAL ID	FIELD PT NAME	ELEV SURVEY DATE	ELEVATION (TOC)	ELEV METHOD	ELEV DATUM	ELEV ACC VAL	ELEV SURVEY ORG	RISER HT	ELEV DESC
	MW-4	11/05/2004	39.10	DIG	29	3	CAL VADA SURVEYING, INC.	-0.30	NGS POINT DY 0777
	MW-5	11/05/2004	38.72	DIG	29	3	CAL VADA SURVEYING, INC.	-0.41	NGS POINT DY 0777
	MW-6	11/05/2004	39.21	DIG	29	3	CAL VADA SURVEYING, INC.	-0.43	NGS POINT DY 0777
	MW-7	03/17/2005	41.14	DIG	29	3	CAL VADA SURVEYING, INC.	-0.30	NGS POINT DY 0777

APPENDIX G

NON-HAZARDOUS WASTE MANIFESTS

NO. 646633

NON-HAZARDOUS WASTE DATA FORM

Waste Administration Coordinator
NAME ExxonMobil GR Waste Management MOBIL 18-MJ

ADDRESS 16525 Northchase Drive, Room 919A 5005 N LONG BEACH

CITY, STATE, ZIP Houston, TX 77060 LONG BEACH, CA PHONE NO. ()

CONTAINERS: No. 4 VOLUME 220 gallons WEIGHT

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☒ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION NON-HAZARDOUS WATER GENERATING PROCESS PURGED GROUNDWATER and/or DECON RINSATE

COMPONENTS OF WASTE		PPM	%	COMPONENTS OF WASTE		PPM	%
1.	<u>WATER</u>		<u>99-100%</u>	5.			
2.	<u>TPH</u>		<u>< 1%</u>	6.			
3.				7.	<u>BESI#110032.02</u>		
4.				8.			

PROPERTIES: 7.10 ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart BESI on behalf of ExxonMobil
TYPED OR PRINTED FULL NAME & SIGNATURE DATE 3/17/05

NAME BESI EPA I.D. NO. NOT REQUIRED

ADDRESS 25971 TOWNE CENTRE DRIVE SERVICE ORDER NO.

CITY, STATE, ZIP LAKE FOREST, CA 92610 PICK UP DATE

PHONE NO. 949-460-3200

Jasal Henry
TYPED OR PRINTED FULL NAME & SIGNATURE DATE 3/21/05

TRUCK, UNIT, I.D. NO.

NAME CROSBY AND OVERTON EPA I.D. NO. NOT REQUIRED

ADDRESS 1630 W. 17TH STREET DISPOSAL METHOD ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP LONG BEACH, CA 90813

PHONE NO. 562-432-5445

FAC# 18-MJ

ID# 26732

Tuei
TYPED OR PRINTED FULL NAME & SIGNATURE DATE 3/21/05

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/Q		RT/CD	HWDF	NONE

DISCREPANCY

Manifest

TPS Technologies Soil Recycling

Non-Hazardous Soils

Manifest # 11

Date of Shipment: 03/23/2005	Responsible for Payment: ERT	Transporter Truck #: 508117	Facility #: A07	Given by TPS: 238123	Load #: 1002
--	--	---------------------------------------	---------------------------	--------------------------------	------------------------

Generator's Name and Billing Address:

Waste Administration Coordinator
ExxonMobil GR Waste Management Group
16825 Northchase Drive, Room 919A
Houston, TX 77060

Generator's Phone #:

281-654-8478

Person to Contact:

FAX#:

Generator's US EPA ID No.

Customer Account Number with TPS:

Consultant's Name and Billing Address:

Consultant's Phone #:

Person to Contact:

FAX#:

Customer Account Number with TPS:

Generation Site (Transport from): (name & address)

Mobil 18-MJ
5005 N LONG BEACH BLVD.
LONG BEACH, CA

Site Phone #:

BTEX
Levels

Person to Contact:

TPH
Levels

FAX#:

AVG.
Levels

Designated Facility (Transport to): (name & address)

TPS TECHNOLOGIES, INC.
12325 HIBISCUS AVENUE
ADELANTO, CA 92301

Facility Phone #:

800-862-8001

Person to Contact:

DELLENA JEFFREY

FAX#:

760-246-8004

Facility Permit Numbers

Transporter Name and Mailing Address:

B.E.S.I.
25971 TOWNE CENTRE DRIVE
LAKE FOREST, CA 92610

Transporter's Phone #:

949-460-5200

Person to Contact:

LARRY MOOTHART

FAX#:

949-460-5210

Transporter's US EPA ID No.:

CAD9835E46B1

Transporter's DOT No.:

450647

Customer Account Number with TPS:

1000193

BESI#110852.02

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	6 drums		6840	3420	3420
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					1.71

List any exception to items listed above:

126375

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name:	Generator <input type="checkbox"/> Consultant <input type="checkbox"/>	Signature and date:	Month Day Year
Larry Moothart for Generator			3/17/05

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month Day Year
RAY V. L. LCA		3/23/05

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY / J. PROVANSAL	

APPENDIX H

LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS

65
4

3/29/05

ENVIRONMENTAL RESOLUTIONS, INC 10203
GEORGE SALLEY
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 18-MLJ
Project Number: .
Laboratory Project Number: 409661.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Page 1

Sample Identification	Lab Number	Collection Date
-----	-----	-----
S-10-B7	05-A37791	3/16/05
S-15-B7	05-A37792	3/16/05
S-20-B7	05-A37793	3/16/05
S-25-B7	05-A37794	3/16/05
S-30-B7	05-A37795	3/16/05
S-35-B7	05-A37796	3/16/05
S-40-B7	05-A37797	3/16/05
S-45-B7	05-A37798	3/16/05
S-50-B7	05-A37799	3/16/05

Sample Identification

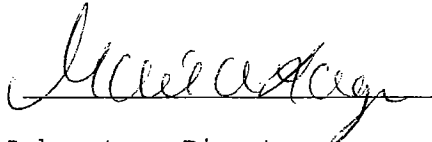
Lab Number

Collection Date

These results relate only to the items tested.

This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Report Date: 3/28/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director

Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manager

Laboratory Certification Number: 01168CA

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37791
 Sample ID: S-10-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 8:27
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch

**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.7	0.6	1.	3/24/05	14:09	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/Kg	1.7	0.7	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<9.74	U	ug/kg	42.7	9.74	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Benzene	6.3		ug/kg	1.7	0.7	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Ethylbenzene	2.6		ug/kg	1.7	0.4	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Toluene	3.5		ug/kg	1.7	0.4	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Xylenes (Total)	11.3		ug/kg	1.7	1.1	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.7	0.8	1.	3/24/05	14:09	8260B	J. Bundy	1083
Ethanol	<129.	U	ug/kg	171.	129.	1.	3/24/05	14:09	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.7	0.7	1.	3/24/05	14:09	8260/SA05-77	J. Bundy	1083
** Methanol	<340	U	ug/kg	5000	340	1.	3/27/05	15:57	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	750	J	ug/kg	4870	310	1.	3/23/05	20:53	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range,C13-C22)	67700		ug/kg	10000	3400	10.	3/19/05	16:36	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	79.2		%				3/22/05	10:57	CLP	K. Turner	2952

The TRPH-Diesel surrogate was diluted out due to sample matrix.

ANALYTICAL REPORT

Laboratory Number: 05-A37791
Sample ID: S-10-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.8 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.85 g	5.0 ml	3/16/05	8:27	J. Bundy	5035
BTX Prep	5.13 g	5.0 ml	3/19/05	10:05	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	90.	63. - 127.
GC FID Surrogate	84.0	50. - 150.
VOA Surr, 1,2-DCAd4	97.	72. - 134.
VOA Surr Toluene-d8	106.	76. - 122.
VOA Surr, 4-BFB	114.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
 U = Analyte analyzed for but not detected.
 # = Recovery outside Laboratory historical or method prescribed limits.
 J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.
 B = Analyte was detected in the method blank.
 E = Estimated Value above the calibration limit of the instrument.
 All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37792
 Sample ID: S-15-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 8:31
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch

**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.6	0.6	1.	3/24/05	14:40	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.6	U	ug/Kg	1.6	0.6	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<8.99	U	ug/kg	39.4	8.99	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Benzene	0.9	J	ug/kg	1.6	0.6	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Ethylbenzene	<0.4	U	ug/kg	1.6	0.4	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Toluene	<0.4	U	ug/kg	1.6	0.4	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Xylenes (Total)	<1.0	U	ug/kg	1.6	1.0	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.7	U	ug/kg	1.6	0.7	1.	3/24/05	14:40	8260B	J. Bundy	1083
Ethanol	<119.	U	ug/kg	158.	119.	1.	3/24/05	14:40	8260B	J. Bundy	1083
** Diisopropyl ether	<0.6	U	ug/kg	1.6	0.6	1.	3/24/05	14:40	8260/SA05-77	J. Bundy	1083
** Methanol	<320	U	ug/kg	5000	320	1.	3/27/05	16:58	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4760	310	1.	3/23/05	21:21	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range,C13-C22)	520	J	ug/kg	1000	340	1.	3/19/05	16:56	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	73.8		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37792
Sample ID: S-15-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	50.1 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	6.34 g	5.0 ml	3/16/05	8:31	J. Bundy	5035
BTX Prep	5.25 g	5.0 ml	3/19/05	10:05	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	92.	63. - 127.
TPH Hi Surr., o-Terphenyl	99.	35. - 135.
GC FID Surrogate	79.0	50. - 150.
VOA Surr, 1,2-DCA _{d4}	95.	72. - 134.
VOA Surr Toluene-d ₈	110.	76. - 122.
VOA Surr, 4-BFB	113.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37793
 Sample ID: S-20-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 8:40
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch

**Volatile Organics											
** Ethyl-t-butylether	<0.5	U	ug/kg	1.5	0.5	1.	3/24/05	15:10	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.6	U	ug/kg	1.5	0.6	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<8.41	U	ug/kg	36.9	8.41	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Benzene	2.5		ug/kg	1.5	0.6	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Ethylbenzene	9.7		ug/kg	1.5	0.4	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Toluene	7.5		ug/kg	1.5	0.4	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Xylenes (Total)	56.7		ug/kg	1.5	1.0	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.7	U	ug/kg	1.5	0.7	1.	3/24/05	15:10	8260B	J. Bundy	1083
Ethanol	<111.	U	ug/kg	147.	111.	1.	3/24/05	15:10	8260B	J. Bundy	1083
** Diisopropyl ether	<0.6	U	ug/kg	1.5	0.6	1.	3/24/05	15:10	8260/SA05-77	J. Bundy	1083
** Methanol	<290	U	ug/kg	5000	290	1.	3/27/05	17:04	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4740	310	1.	3/23/05	21:50	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	550	J	ug/kg	1010	340	1.	3/19/05	17:17	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	87.2		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37793

Sample ID: S-20-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.5 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	6.78 g	5.0 ml	3/16/05	8:40	J. Bundy	5035
BTX Prep	5.27 g	5.0 ml	3/19/05	10:05	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	93.	63. - 127.
TPH Hi Surr., o-Terphenyl	99.	35. - 135.
GC FID Surrogate	93.0	50. - 150.
VOA Surr, 1,2-DCAd4	93.	72. - 134.
VOA Surr Toluene-d8	112.	76. - 122.
VOA Surr, 4-BFB	137.	60. - 138.
VOA Surr, DBFM	101.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37794
 Sample ID: S-25-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 8:50
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch

**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.7	0.6	1.	3/24/05	15:41	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/Kg	1.7	0.7	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<9.73	U	ug/kg	42.7	9.73	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Benzene	<0.7	U	ug/kg	1.7	0.7	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Ethylbenzene	<0.4	U	ug/kg	1.7	0.4	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Toluene	<0.4	U	ug/kg	1.7	0.4	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Xylenes (Total)	<1.1	U	ug/kg	1.7	1.1	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.7	0.8	1.	3/24/05	15:41	8260B	J. Bundy	1083
Ethanol	<129.	U	ug/kg	171.	129.	1.	3/24/05	15:41	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.7	0.7	1.	3/24/05	15:41	8260/SA05-77	J. Bundy	1083
** Methanol	<340	U	ug/kg	5000	340	1.	3/27/05	17:10	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	5010	310	1.	3/23/05	22:19	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range,C13-C22)	760	J	ug/kg	1000	340	1.	3/19/05	17:37	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	86.3		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37794
Sample ID: S-25-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.9 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.86 g	5.0 ml	3/16/05	8:50	J. Bundy	5035
BTX Prep	4.99 g	5.0 ml	3/19/05	10:05	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	93.	63. - 127.
TPH Hi Surr., o-Terphenyl	100.	35. - 135.
GC FID Surrogate	104.	50. - 150.
VOA Surr, 1,2-DCAd4	95.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	107.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37795
 Sample ID: S-30-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 8:53
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch

**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.6	0.6	1.	3/24/05	16:12	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/Kg	1.6	0.7	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<9.31	U	ug/kg	40.8	9.31	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Benzene	2.5		ug/kg	1.6	0.7	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Ethylbenzene	1.1	J	ug/kg	1.6	0.4	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Toluene	<0.4	U	ug/kg	1.6	0.4	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Xylenes (Total)	4.9		ug/kg	1.6	1.1	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.7	U	ug/kg	1.6	0.7	1.	3/24/05	16:12	8260B	J. Bundy	1083
Ethanol	<123.	U	ug/kg	163.	123.	1.	3/24/05	16:12	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.6	0.7	1.	3/24/05	16:12	8260/SA05-77	J. Bundy	1083
** Methanol	<330	U	ug/kg	5000	330	1.	3/27/05	17:17	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4870	310	1.	3/23/05	22:48	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	6370		ug/kg	1010	340	1.	3/20/05	16:35	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	82.2		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37795

Sample ID: S-30-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.6 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	6.12 g	5.0 ml	3/16/05	8:53	J. Bundy	5035
BTX Prep	5.13 g	5.0 ml	3/19/05	10:05	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	91.	63. - 127.
TPH Hi Surr., o-Terphenyl	82.	35. - 135.
GC FID Surrogate	93.0	50. - 150.
VOA Surr, 1,2-DCAd4	94.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	103.	60. - 138.
VOA Surr, DBFM	99.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37796
 Sample ID: S-35-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 9:00
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.8	0.6	1.	3/24/05	16:42	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/kg	1.8	0.7	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<10.3	U	ug/kg	45.0	10.3	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Benzene	1.3	J	ug/kg	1.8	0.7	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Ethylbenzene	2.5		ug/kg	1.8	0.4	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Toluene	<0.4	U	ug/kg	1.8	0.4	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Xylenes (Total)	15.4		ug/kg	1.8	1.2	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.8	0.8	1.	3/24/05	16:42	8260B	J. Bundy	1083
Ethanol	<136.	U	ug/kg	180.	136.	1.	3/24/05	16:42	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.8	0.7	1.	3/24/05	16:42	8260/SA05-77	J. Bundy	1083
** Methanol	<360	U	ug/kg	5000	360	1.	3/27/05	17:23	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4860	310	1.	3/23/05	23:16	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	520	J	ug/kg	1010	340	1.	3/19/05	18:18	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	88.8		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37796
Sample ID: S-35-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.7 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.56 g	5.0 ml	3/16/05	9:00	J. Bundy	5035
BTX Prep	5.14 g	5.0 ml	3/19/05	11:10	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	63. - 127.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
GC FID Surrogate	96.0	50. - 150.
VOA Surr, 1,2-DCAd4	87.	72. - 134.
VOA Surr Toluene-d8	106.	76. - 122.
VOA Surr, 4-BFB	115.	60. - 138.
VOA Surr, DBFM	98.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
U = Analyte analyzed for but not detected.
= Recovery outside Laboratory historical or method prescribed limits.
J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.
B = Analyte was detected in the method blank.
E = Estimated Value above the calibration limit of the instrument.
All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37797
 Sample ID: S-40-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 9:07
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
** Ethyl-t-butylether	<0.7	U	ug/kg	1.9	0.7	1.	3/24/05	17:13	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/Kg	1.9	0.7	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<10.6	U	ug/kg	46.5	10.6	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Benzene	<0.7	U	ug/kg	1.9	0.7	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Ethylbenzene	<0.5	U	ug/kg	1.9	0.5	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Toluene	<0.5	U	ug/kg	1.9	0.5	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Xylenes (Total)	<1.2	U	ug/kg	1.9	1.2	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.9	0.8	1.	3/24/05	17:13	8260B	J. Bundy	1083
Ethanol	<140.	U	ug/kg	186.	140.	1.	3/24/05	17:13	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.9	0.7	1.	3/24/05	17:13	8260/SA05-77	J. Bundy	1083
** Methanol	<370	U	ug/kg	5000	370	1.	3/27/05	17:35	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4940	310	1.	3/23/05	23:45	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	730	J	ug/kg	1010	340	1.	3/19/05	18:38	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	84.7		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37797
Sample ID: S-40-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.5 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.38 g	5.0 ml	3/16/05	9:07	J. Bundy	5035
BTX Prep	5.06 g	5.0 ml	3/19/05	11:10	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	93.	63. - 127.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
GC FID Surrogate	97.0	50. - 150.
VOA Surr, 1,2-DCAd4	92.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	103.	60. - 138.
VOA Surr, DBFM	101.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37798
 Sample ID: S-45-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 9:13
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.8	0.6	1.	3/24/05	17:44	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/kg	1.8	0.7	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<10.4	U	ug/kg	45.6	10.4	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Benzene	<0.7	U	ug/kg	1.8	0.7	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Ethylbenzene	<0.5	U	ug/kg	1.8	0.5	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Toluene	<0.5	U	ug/kg	1.8	0.5	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Xylenes (Total)	1.2	J	ug/kg	1.8	1.2	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.8	0.8	1.	3/24/05	17:44	8260B	J. Bundy	1083
Ethanol	<138.	U	ug/kg	182.	138.	1.	3/24/05	17:44	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.8	0.7	1.	3/24/05	17:44	8260/SA05-77	J. Bundy	1083
** Methanol	<360	U	ug/kg	5000	360	1.	3/27/05	17:42	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4970	310	1.	3/24/05	0:13	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	440	J	ug/kg	1010	340	1.	3/19/05	18:59	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	83.1	%					3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37798
Sample ID: S-45-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.7 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.48 g	5.0 ml	3/16/05	9:13	J. Bundy	5035
BTX Prep	5.03 g	5.0 ml	3/19/05	11:10	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	93.	63. - 127.
TPH Hi Surr., o-Terphenyl	100.	35. - 135.
GC FID Surrogate	82.0	50. - 150.
VOA Surr, 1,2-DCAd4	91.	72. - 134.
VOA Surr Toluene-d8	105.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	98.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

U = Analyte analyzed for but not detected.

= Recovery outside Laboratory historical or method prescribed limits.

J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

All results reported on a wet weight basis.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10203
 GEORGE SALLEY
 20372 NORTH SEA CIRCLE
 LAKE FOREST, CA 92630

Lab Number: 05-A37799
 Sample ID: S-50-B7
 Sample Type: Soil
 Site ID: 18-MLJ

Project:
 Project Name: EXXONMOBIL 18-MLJ
 Sampler: GEORGE SALLEY

Date Collected: 3/16/05
 Time Collected: 9:17
 Date Received: 3/17/05
 Time Received: 8:00

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
** Ethyl-t-butylether	<0.6	U	ug/kg	1.7	0.6	1.	3/24/05	18:14	8260B	J. Bundy	1083
** tert-methyl amyl ether	<0.7	U	ug/Kg	1.7	0.7	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Tertiary butyl alcohol	<9.58	U	ug/kg	42.0	9.58	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Benzene	<0.7	U	ug/kg	1.7	0.7	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Ethylbenzene	<0.4	U	ug/kg	1.7	0.4	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Toluene	<0.4	U	ug/kg	1.7	0.4	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Xylenes (Total)	<1.1	U	ug/kg	1.7	1.1	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Methyl-t-butyl ether	<0.8	U	ug/kg	1.7	0.8	1.	3/24/05	18:14	8260B	J. Bundy	1083
Ethanol	<127.	U	ug/kg	168.	127.	1.	3/24/05	18:14	8260B	J. Bundy	1083
** Diisopropyl ether	<0.7	U	ug/kg	1.7	0.7	1.	3/24/05	18:14	8260/SA05-77	J. Bundy	1083
** Methanol	<340	U	ug/kg	5000	340	1.	3/27/05	17:48	8015	K. Roberso	2768
**TPH-GC											
** TPH (GRO C4-C12)	<310	U	ug/kg	4800	310	1.	3/24/05	0:42	CA-LUFT	H. Wagner	2950
**TPH-GC											
** TPH (Diesel Range, C13-C22)	940	J	ug/kg	1000	340	1.	3/19/05	19:19	8015BM	B. Yanna	6393
**Miscellaneous Parameters											
% Dry Weight	84.8		%				3/22/05	10:57	CLP	K. Turner	2952

ANALYTICAL REPORT

Laboratory Number: 05-A37799
Sample ID: S-50-B7

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
TPH-D	49.9 ml	1.0 ml	3/18/05	16:18	K. Turner	3550
Volatile Organics	5.95 g	5.0 ml	3/16/05	9:17	J. Bundy	5035
BTX Prep	5.21 g	5.0 ml	3/19/05	11:10	H. Wagner	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	63. - 127.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
GC FID Surrogate	94.0	50. - 150.
VOA Surr, 1,2-DCAd4	90.	72. - 134.
VOA Surr Toluene-d8	104.	76. - 122.
VOA Surr, 4-BFB	104.	60. - 138.
VOA Surr, DBFM	99.	75. - 137.

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
U = Analyte analyzed for but not detected.
= Recovery outside Laboratory historical or method prescribed limits.
J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.
B = Analyte was detected in the method blank.
E = Estimated Value above the calibration limit of the instrument.
All results reported on a wet weight basis.

PROJECT QUALITY CONTROL DATA

Project Number:

Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
UST ANALYSIS								
TPH (Diesel Range, C13-C22)	mg/kg	0.94	12.4	20.0	57	28. - 143.	6393	05-A37799
TPH (Diesel Range, C13-C22)	mg/kg	0.94	15.5	20.0	73	28. - 143.	6393	M:05A37799

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/kg	< 0.0020	0.0308	0.0500	62	53. - 136.	1083	37737
Benzene	mg/kg	< 0.0020	0.0331	0.0500	66	53. - 136.	1083	M:37737
Toluene	mg/kg	< 0.0020	0.0251	0.0500	50	43. - 139.	1083	37737
Toluene	mg/kg	< 0.0020	0.0270	0.0500	54	43. - 139.	1083	M:37737
VOA Surr, 1,2-DCAd4	% Rec				93	72. - 134.	1083	
VOA Surr, 1,2-DCAd4	% Rec				92	72. - 134.	1083	
VOA Surr Toluene-d8	% Rec				104	76. - 122.	1083	
VOA Surr Toluene-d8	% Rec				107	76. - 122.	1083	
VOA Surr, 4-BFB	% Rec				100	60. - 138.	1083	
VOA Surr, 4-BFB	% Rec				113	60. - 138.	1083	
VOA Surr, DBFM	% Rec				100	75. - 137.	1083	
VOA Surr, DBFM	% Rec				101	75. - 137.	1083	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
-----	-----	-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS								
Methanol	mg/kg	< 5.00	39.9	50.0	80	40 - 140	2768	05-A37796
Methanol	mg/kg	< 5.00	48.0	50.0	96	40 - 140	2768	M:05A37796

PROJECT QUALITY CONTROL DATA

Project Number:

Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
UST PARAMETERS						
TPH (Diesel Range,C13-C22)	mg/kg	12.4	15.5	22.22	51.	6393

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/kg	0.0308	0.0331	7.20	34.	1083
Toluene	mg/kg	0.0251	0.0270	7.29	39.	1083
VOA Surr, 1,2-DCAd4	% Rec		92.			1083
VOA Surr Toluene-d8	% Rec		107.			1083
VOA Surr, 4-BFB	% Rec		113.			1083
VOA Surr, DBFM	% Rec		101.			1083

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methanol	mg/kg	39.9	48.0	18.43	50	2768

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
UST PARAMETERS						
TPH (Diesel Range,C13-C22)	mg/kg	20.0	16.9	84	54 - 126	6393

PROJECT QUALITY CONTROL DATA

Project Number:

Page: 3

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0517	103	67 - 137	1083
tert-methyl amyl ether	mg/Kg	0.0500	0.0556	111	64 - 142	1083
Tertiary butyl alcohol	mg/kg	0.500	0.409	82	36 - 159	1083
Benzene	mg/kg	0.0500	0.0469	94	76 - 124	1083
Ethylbenzene	mg/kg	0.0500	0.0531	106	70 - 128	1083
Toluene	mg/kg	0.0500	0.0532	106	72 - 125	1083
Xylenes (Total)	mg/kg	0.150	0.159	106	71 - 129	1083
Methyl-t-butyl ether	mg/kg	0.0500	0.0515	103	67 - 138	1083
Ethanol	mg/kg	5.00	6.52	130	48 - 159	1083
Diisopropyl ether	mg/kg	0.0500	0.0466	93	70 - 131	1083
Methanol	mg/kg	50.0	58.0	116	72 - 124	2768
VOA Surr, 1,2-DCAd4	% Rec			88	72 - 134	1083
VOA Surr Toluene-d8	% Rec			106	76 - 122	1083
VOA Surr, 4-BFB	% Rec			104	60 - 138	1083
VOA Surr, DBFM	% Rec			99	75 - 137	1083

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
MISC PARAMETERS						
Methanol	mg/kg	50.0	58.0	116	72 - 124	2768

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
UST PARAMETERS					
TPH (Diesel Range,C13-C22)	0.70	mg/kg	6393	3/19/05	15:14

PROJECT QUALITY CONTROL DATA

Project Number:

Page: 4

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
UST PARAMETERS					
UST surr-Trifluorotoluene	93.	% Recovery	2950	3/23/05	17:27

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	1083	3/24/05	13:38
tert-methyl amyl ether	< 0.0008	mg/Kg	1083	3/24/05	13:38
Tertiary butyl alcohol	< 0.0114	mg/kg	1083	3/24/05	13:38
Benzene	< 0.0008	mg/kg	1083	3/24/05	13:38
Ethylbenzene	< 0.0005	mg/kg	1083	3/24/05	13:38
Toluene	< 0.0005	mg/kg	1083	3/24/05	13:38
Xylenes (Total)	< 0.0013	mg/kg	1083	3/24/05	13:38
Methyl-t-butyl ether	< 0.0009	mg/kg	1083	3/24/05	13:38
Ethanol	< 0.151	mg/kg	1083	3/24/05	13:38
Diisopropyl ether	< 0.0008	mg/kg	1083	3/24/05	13:38
VOA Surr, 1,2-DCAd4	94.	% Rec	1083	3/24/05	13:38
VOA Surr Toluene-d8	107.	% Rec	1083	3/24/05	13:38
VOA Surr, 4-BFB	106.	% Rec	1083	3/24/05	13:38
VOA Surr, DBFM	99.	% Rec	1083	3/24/05	13:38

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
MISC PARAMETERS					
Methanol	< 10.0	mg/kg	2768	3/27/05	15:57

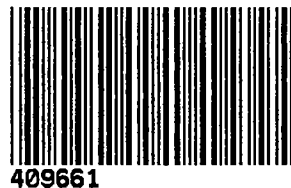
= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 409661

Nashville Division

COOLER RECEIPT FORM

BC#



Client Name : Env Resolutions

Cooler Received/Opened On: 3/17/05 Accessioned By: Paul R. Buckingham II

Paul R. Buckingham II
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 2.9 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
 - a. If yes, how many and where: 1 front
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

9876

Fed-Ex UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:



Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil.

Consultant Name: Environmental Resolutions, Inc

TA Account #: 10203

Address: 20372 North Sea Circle

Invoice To: (ExxonMobil PM unless otherwise indicate)

City/State/Zip: Lake Forest, CA

Report To: George Solley

ExxonMobil Territory Mgr: Mark Gressler

PO #: Pending 2005 PO

Consultant Project Mgr: George Solley

Facility ID #: Mobil Station MLT

Consultant Telephone Number: 949-457-8950

Fax No.: 949-457-8456

Site Address: 5005 North Long Beach Blvd.

Sampler Name: (Print) George Solley

City, State, Zip: Long Beach, CA

Sampler Signature: _____

Regulatory District (CA): CRW QCB

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze For:										RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report			
							Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	HNO ₃ (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	TPH (CALUFT)	TPH 8015B	Methanol 8015B	15TEX 10015B	826015										
S-10-B7 37791	3/16/05	827	4	X			X	X										X		X	X	X	X												
S-15-B7 92		831	4	X			X	X										X		X	X	X	X												
S-20-B7 93		840	4	X			X	X										X		X	X	X	X												
S-25-B7 94		850	4	X			X	X										X		X	X	X	X												
S-30-B7 95		853	4	X			X	X										X		X	X	X	X												
S-35-B7 96		900	4	X			X	X										X		X	X	X	X												
S-40-B7 97		907	4	X			X	X										X		X	X	X	X												
S-45-B7 98		913	4	X			X	X										X		X	X	X	X												
S-50-B7 37799	✓	917	4	X			X	X										X		X	X	X	X												

Comments/Special Instructions:

* Includes Ethanol

Laboratory Comments:

Temperature Upon Receipt:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

QC Deliverables (please circle one)

Level 2

Level 3

Level 4

Site Specific - if yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specific instructions

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by TestAmerica:

Date

Time



Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404



Consultant Name: Environmental Resolutions, Inc

TA Account #: 16203

Address: 20372 North Sea Circle

Invoice To: (ExxonMobil PM unless otherwise indicate)

City/State/Zip: Lake Forest, CA

Report To: George Solley

ExxonMobil Territory Mgr: Mark Grevier

PO #: Pending 2005 PO

Consultant Project Mgr: George Solley

Facility ID #: Mobil Station MLT

Consultant Telephone Number: 949-457-8950

Fax No.: 949-457-8456

Site Address: 5005 North Long Beach Blvd.

Sampler Name: (Print) George Solley

City, State, Zip: Long Beach, CA

Sampler Signature: _____

Regulatory District (CA): CRW QCB

409661		Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze For:										RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
								Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	HNO ₃ (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	TPH (CALVET)	TPH 8015B	Methanol 8015B	BTEX 1 day	8260B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Sample ID or Field ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Comments/Special Instructions:

* Includes Ethanol

Laboratory Comments:

Temperature Upon Receipt:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

QC Deliverables (please circle one)

Level 2

Level 3

Level 4

Site Specific - if yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specific instructions

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by TestAmerica:

Date

Time